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L32: Entry 22 of 25

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TITLE: PREVENTIVE FOR DENTAL CARIES

PUBN-DATE: September 2, 1988

## INVENTOR-INFORMATION:

NAME

COUNTRY

MIYAWAKI, HIDEAKI

YUMOTO, IZURU

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

TAIYO KORYO KK

APPL-NO: JP62043142

APPL-DATE: February 27, 1987

INT-CL (IPC): A61K 7/26

## ABSTRACT:

PURPOSE: To obtain the titled preventive effective in preventing the proliferation of cariogenic bacteria and suppressing the formation of water-insoluble glucan causing bacterial plaque, by using hop extract, isomerized hop extract or metal salt of said isomerized substance as active component.

CONSTITUTION: At least one kind of substance selected from hop extract, isomerized hop extract or metal salt of said isomerized substance is used as active component of the objective preventive. The preventive is used by compounding into a chewing gum, etc., or into an oral cavity cleaning agent such as dentifrice. The content of the preventive in the oral cavity composition is 0.01~20wt.%, preferably 0.1~10wt.%. The extraction of hop extract can be carried out by subjecting hop strobile to hexane extraction, liquid carbon dioxide extraction, extraction with supercritical carbon dioxide, etc. The hop extract includes  $\alpha$ -acid,  $\beta$ -acid or their mixture. The isomerized product can be obtained by boiling the extract in wort, thereby isomerizing the  $\alpha$ -acid.

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[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)